

1 January – 30 October 2007

Provisional data

Monthly infectious disease summary report

October 2007



Reportable diseases list: <http://doh.sd.gov/Disease/Report.aspx>

South Dakota Department of Health confidential disease reporting: 1-800-592-1804

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South Dakota infectious disease summary

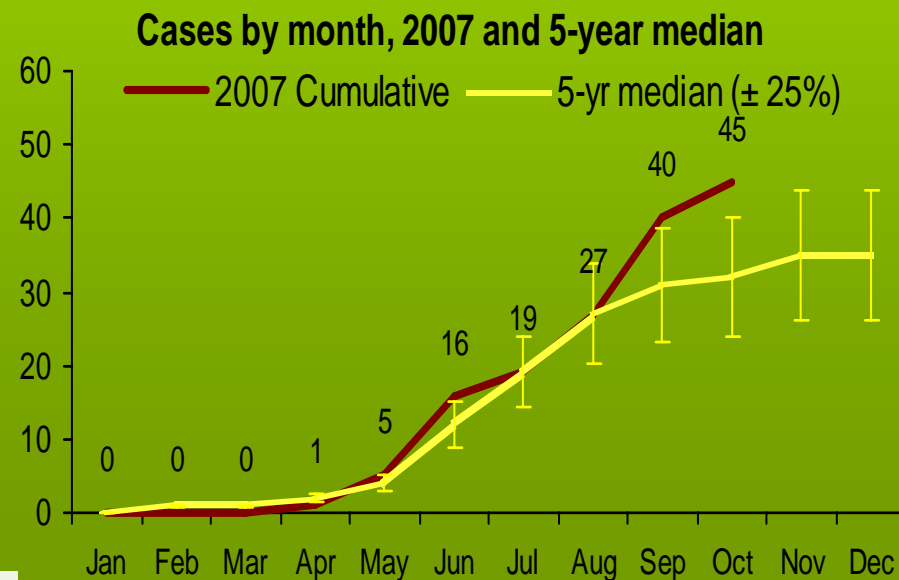
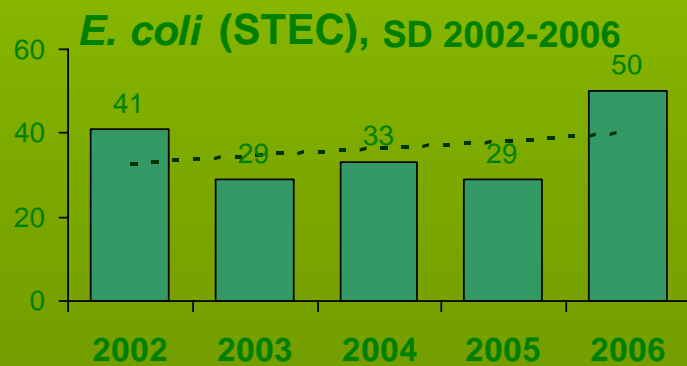
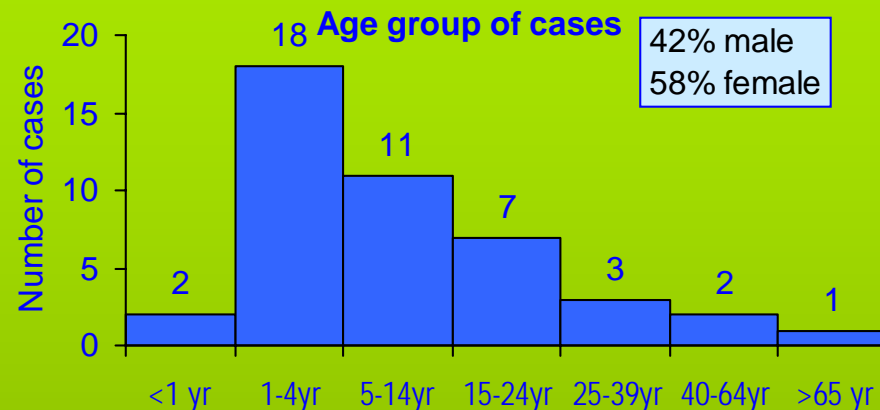
Diseases/Agent	Cases year-to-date	Incidence year-to-date	5-yr median cases	Percent change
Campylobacter	207	26.5	204	+1%
Chlamydia	2165	276.9	2190	-1%
Cryptosporidiosis	157	20.1	36	+336%
E. coli, shiga toxin-producing	45	5.8	32	+41%
Giardiasis	83	10.6	76	+9%
Gonorrhea	217	27.8	234	-7%
Hepatitis A	5	0.6	2	+150%
HIV AIDS	21	2.7	20	+5%
Meningococcal, invasive	3	0.4	2	+50%
Pertussis	52	6.7	20	+160%
Rabies, animal	22	NA	83	-73%
Salmonella	142	18.2	112	+27%
Shigellosis	110	14.1	74	+49%
Strep A, invasive	9	1.2	17	-47%
Strep B, invasive	15	1.9	11	+36%
Syphilis, early	11	1.4	1	+1000%
Tuberculosis	10	1.3	11	-9%
West Nile	207	26.5	113	+83%

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E. coli, shiga toxin-producing, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	13	8.7
Northeast	15	8.2
Southeast	14	5.5
West	3	1.6
TOTAL	45	5.8 +41%
5-year median	32	4.1



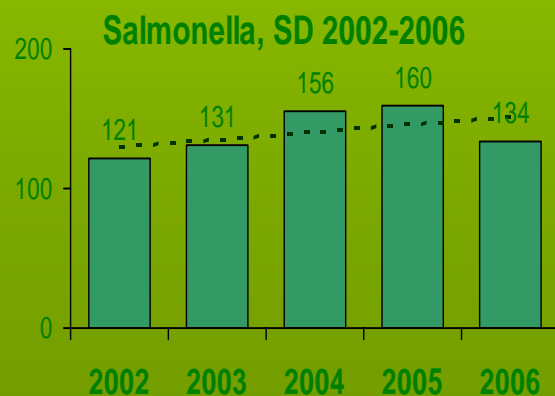
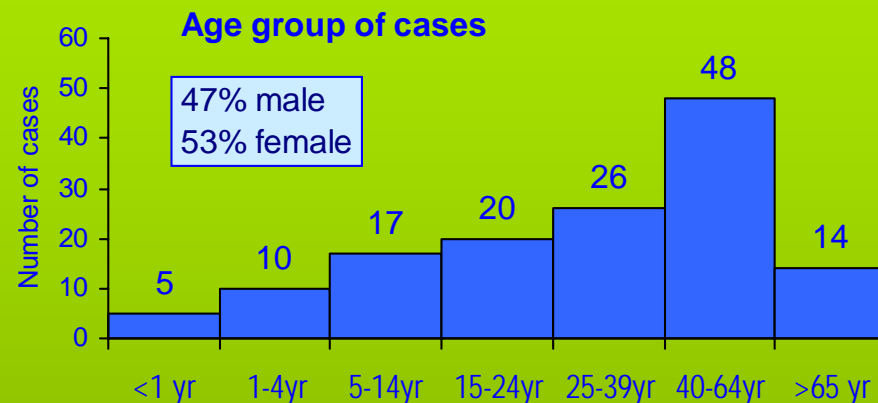
E. coli fact sheet: <http://doh.sd.gov/diseasefacts>

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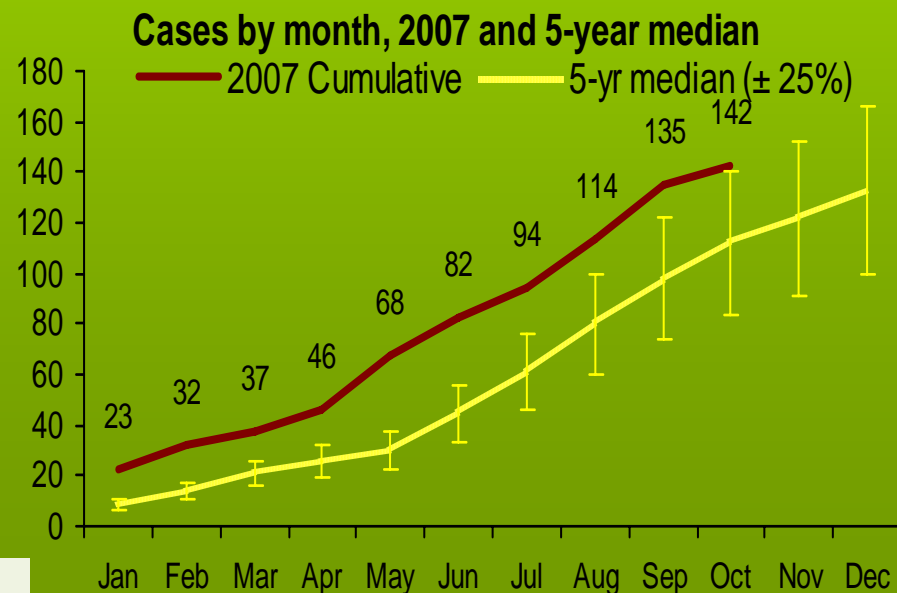
Provisional data

Salmonellosis, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	26	17.5
Northeast	31	17.1
Southeast	56	21.4
Western	29	15.2
TOTAL	142	18.2 +27%
5-year median	112	14.3



Serotype (number)
 S. Typhimurium 32
 S. Enteritidis 22
 S. Newport 8
 S. Muenchen 6
 S. Montevideo 5
 S. Tennessee 5
 S. Heidelberg 4
 S. Paratyphi B 1
 All other serotypes 3 or less.



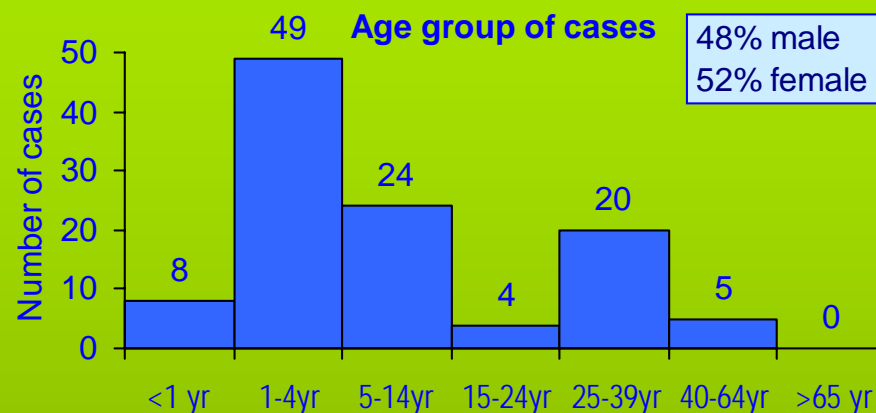
Salmonella fact sheet: <http://doh.sd.gov/diseasefacts>

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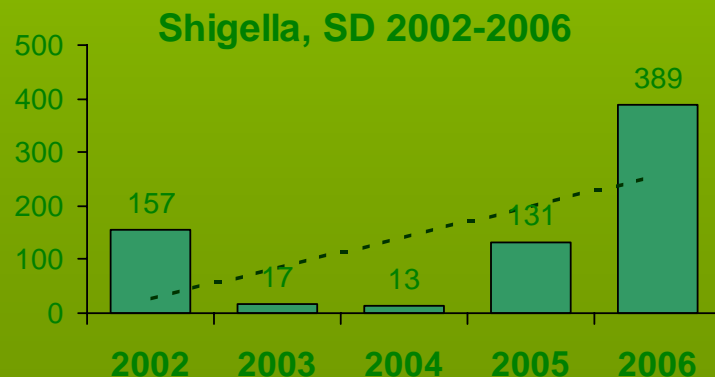
Provisional data

Shigellosis, South Dakota

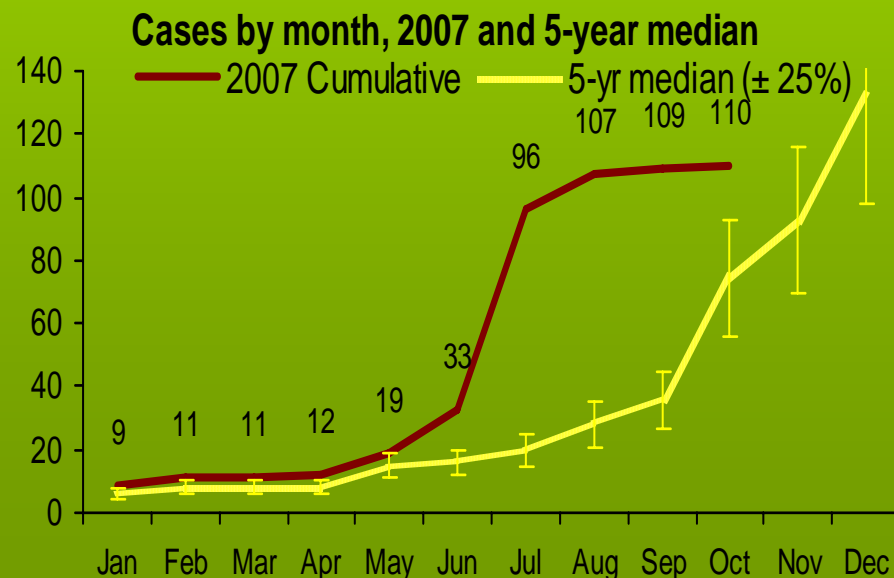
Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	88	59.1
Northeast	7	3.9
Southeast	5	1.9
Western	10	5.2
TOTAL	110	14.1 +49%
5-year median	74	9.5



S. sonnei 99%, *S. dysenteriae* 1%



Shigella fact sheet: <http://doh.sd.gov/diseasefacts>

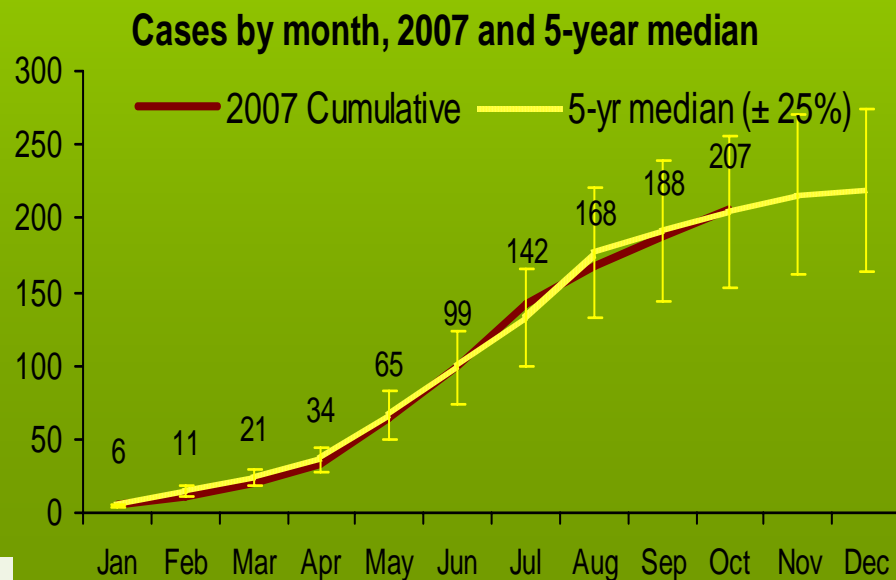
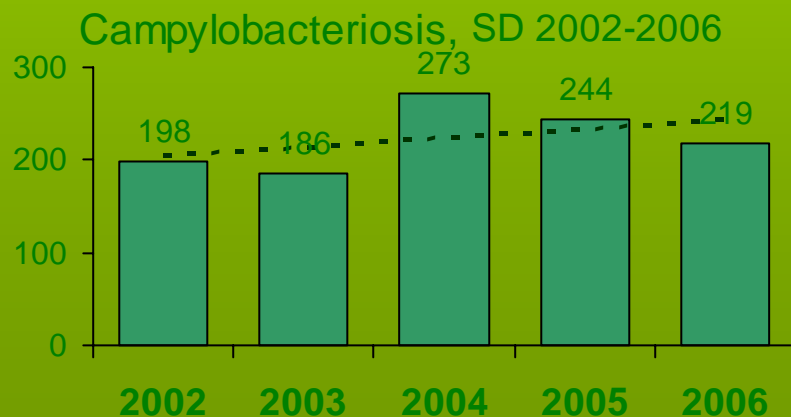
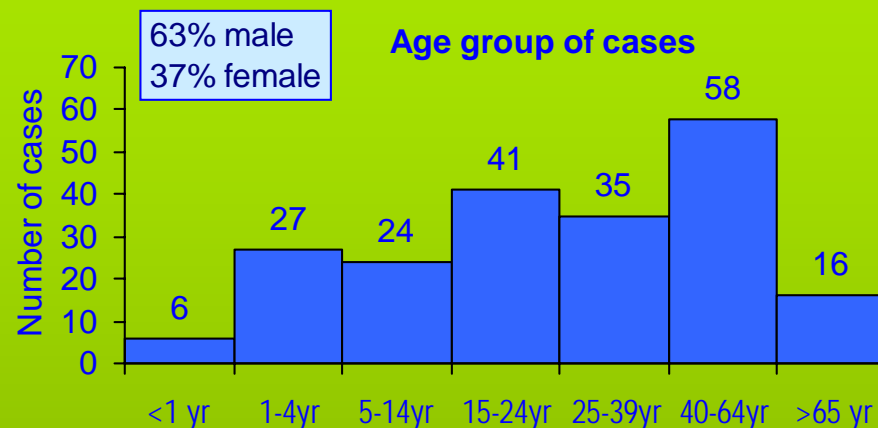


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Campylobacteriosis, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	75	50.4
Northeast	59	32.6
Southeast	55	21.0
Western	18	9.4
TOTAL	207	26.5 +1%
5-year median	204	26.1



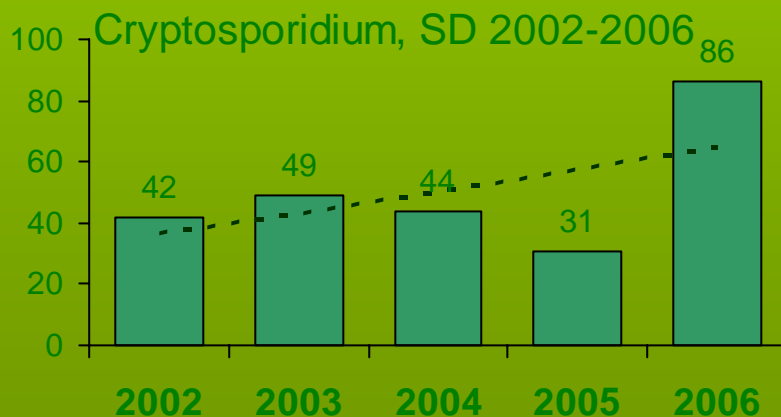
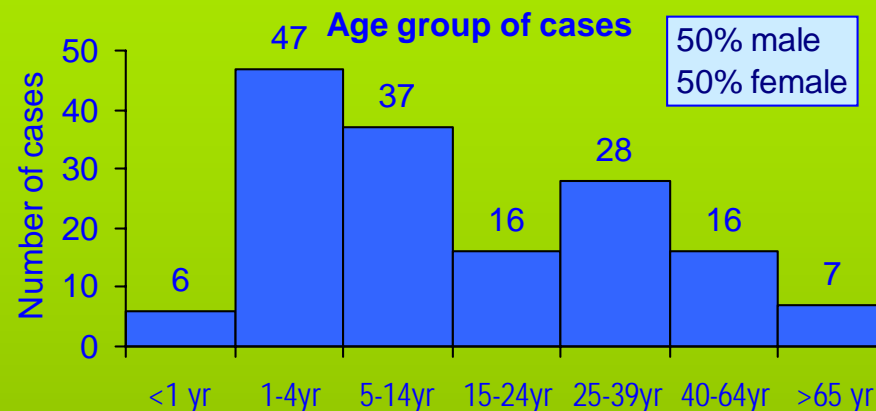
Campylobacter fact sheet: <http://doh.sd.gov/diseasefacts>

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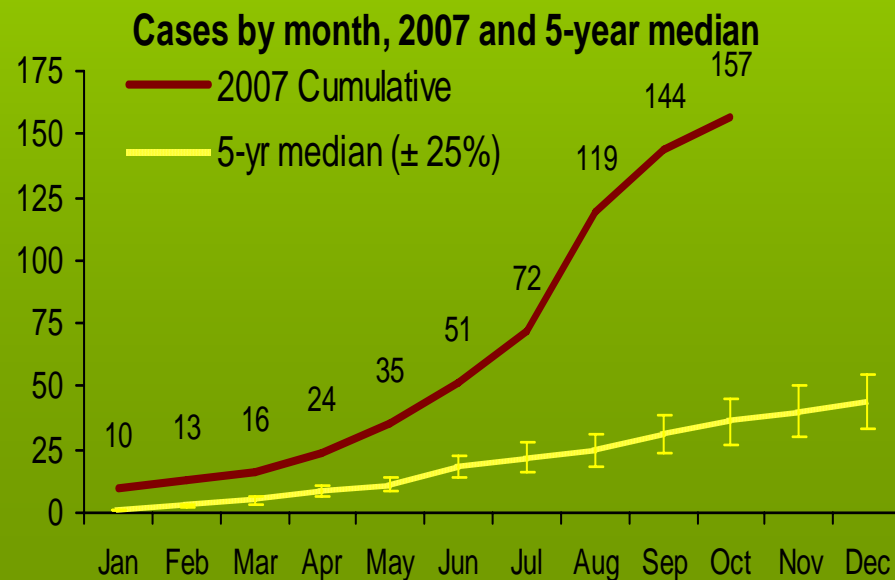
Provisional data

Cryptosporidiosis, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	34	22.8
Northeast	58	32.0
Southeast	63	24.1
Western	2	1.0
TOTAL	157	20.1 +336%
5-year median	36	4.6



Cryptosporidiosis fact sheet:
<http://doh.sd.gov/diseasefacts>

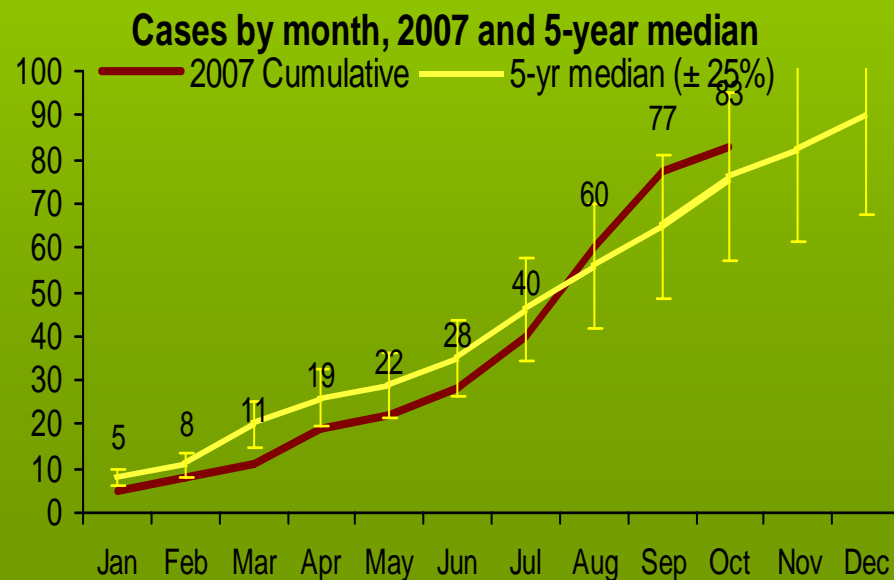
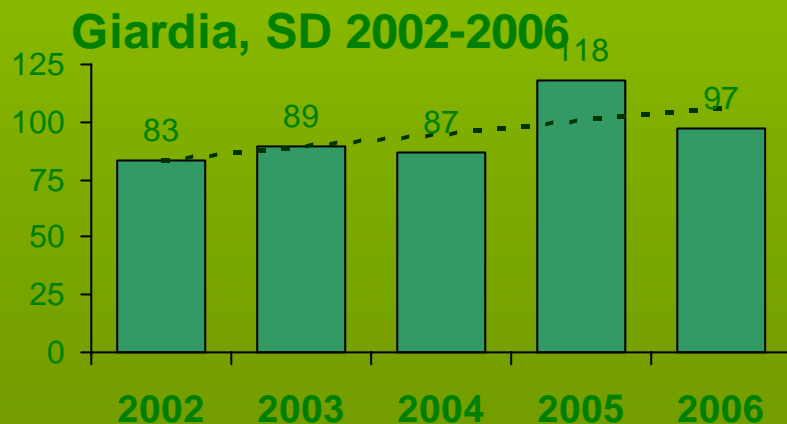
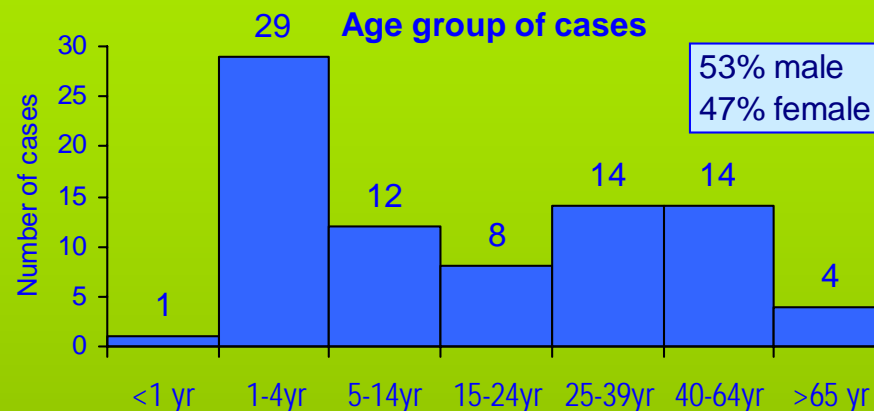


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Giardiasis, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	7	4.7
Northeast	21	11.6
Southeast	34	13.0
Western	21	11.0
TOTAL	83	10.6 +9%
5-year median	76	9.7



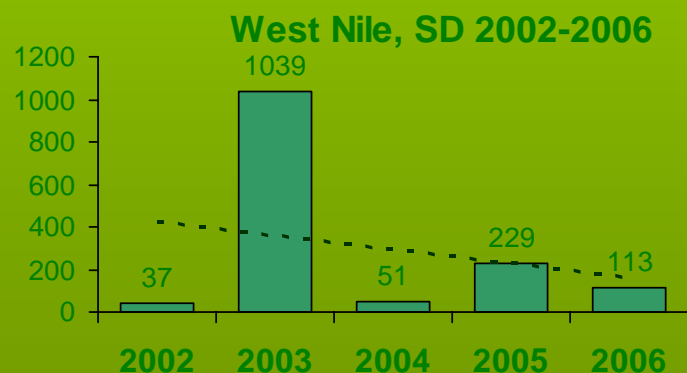
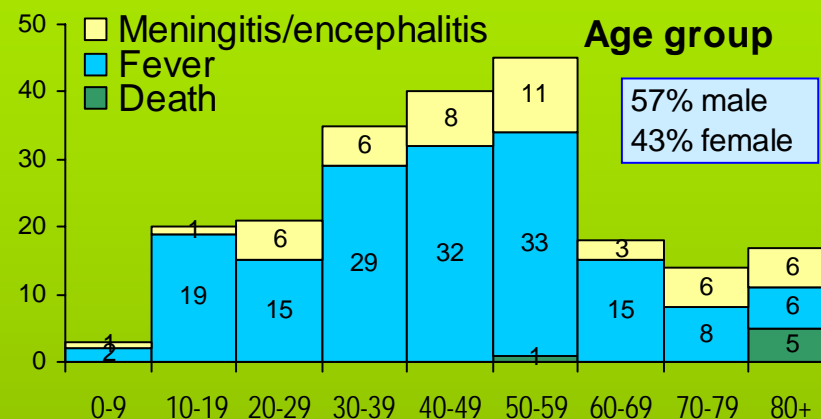
Giardia fact sheet: <http://doh.sd.gov/diseasefacts>

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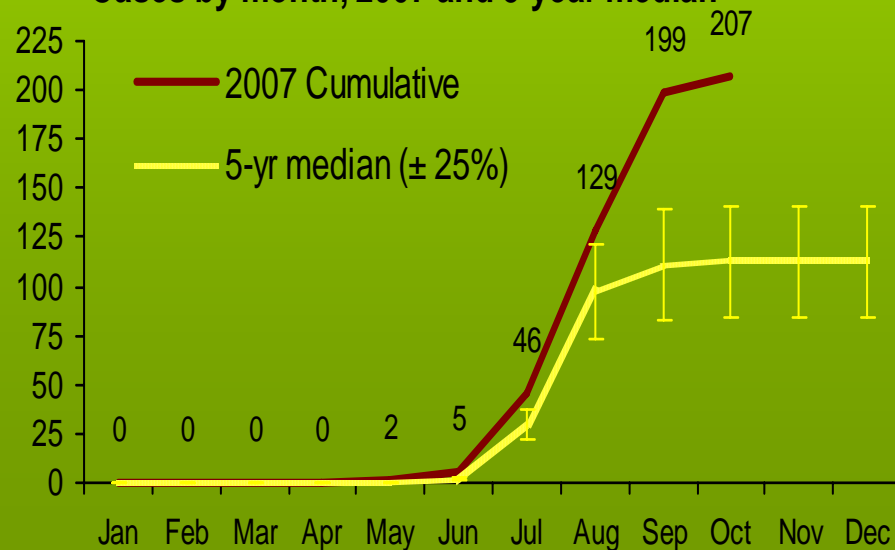
Provisional data

West Nile disease, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	50	33.6
Northeast	86	47.5
Southeast	20	7.7
Western	51	26.8
TOTAL	207	26.4 +83%
5-year median	113	14.5



Cases by month, 2007 and 5-year median



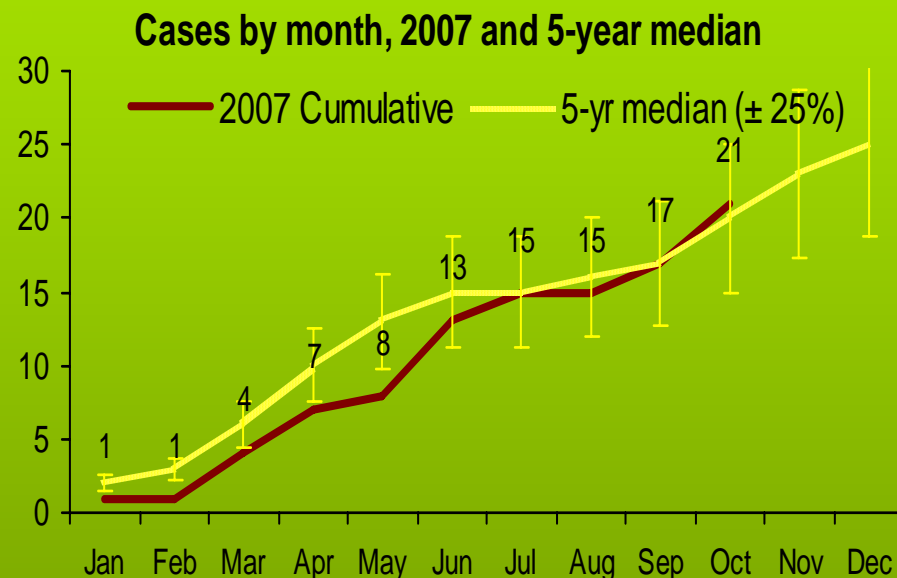
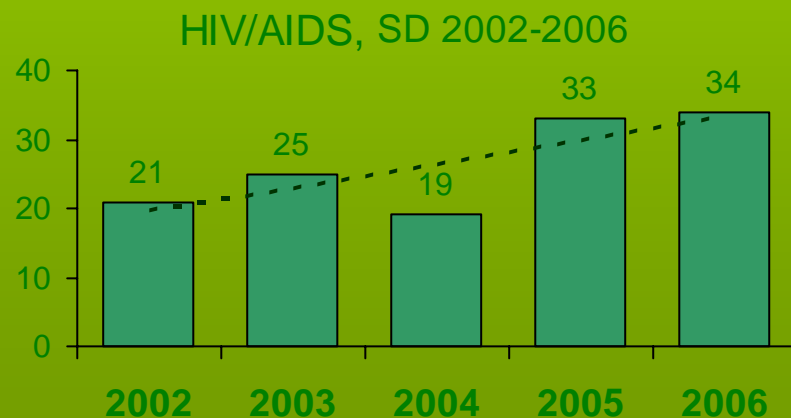
West Nile information: <http://westnile.sd.gov>

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HIV/AIDS, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	2	1.3
Northeast	2	1.1
Southeast	14	5.4
West	3	1.6
TOTAL	21	2.7 +5%
5-year median	20	2.6



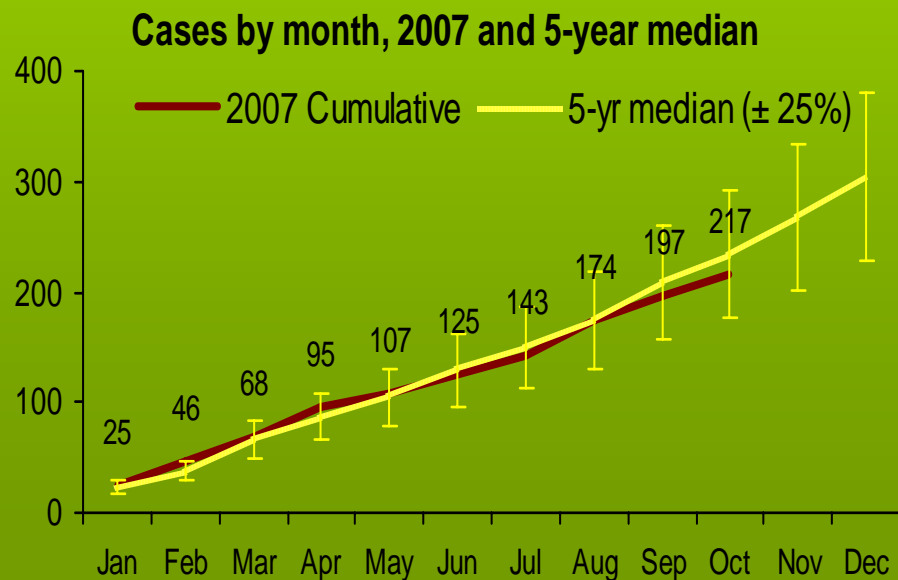
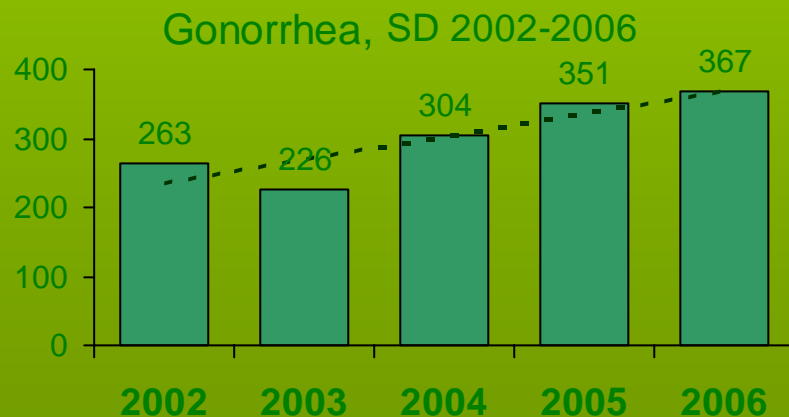
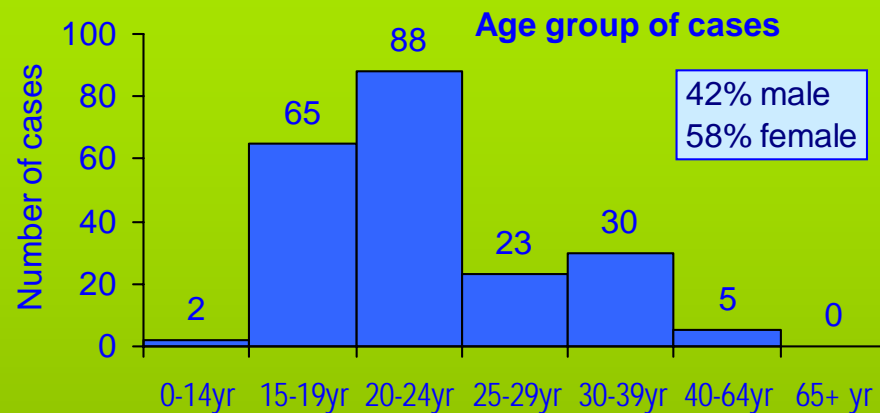
HIV/AIDS Surveillance : <http://doh.sd.gov/Disease/statistics.aspx>

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Gonorrhea, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	42	28.2
Northeast	18	9.9
Southeast	86	32.9
West	71	37.3
TOTAL	217	27.8 -7%
5-year median	234	29.9



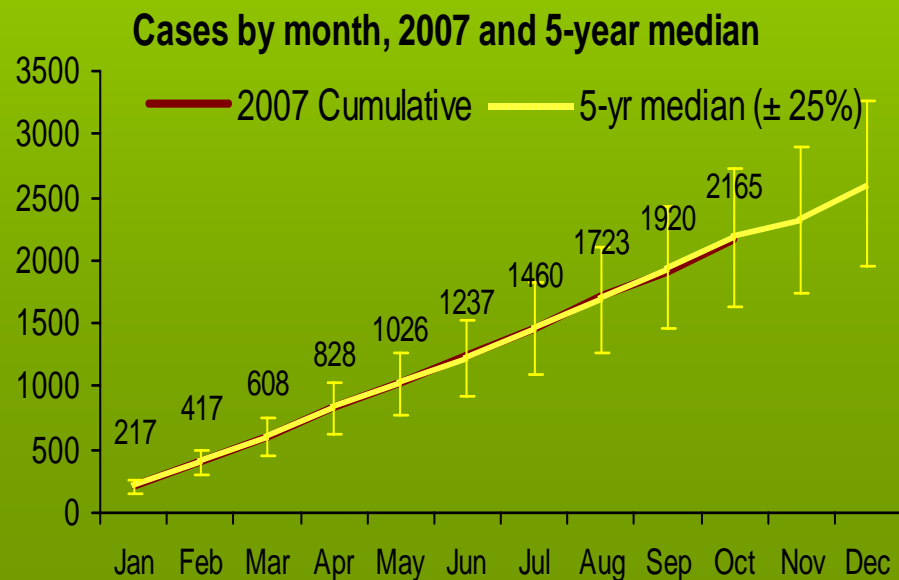
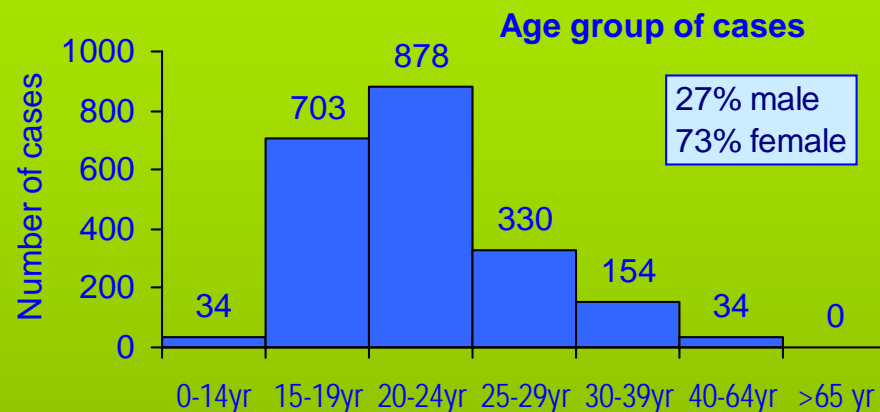
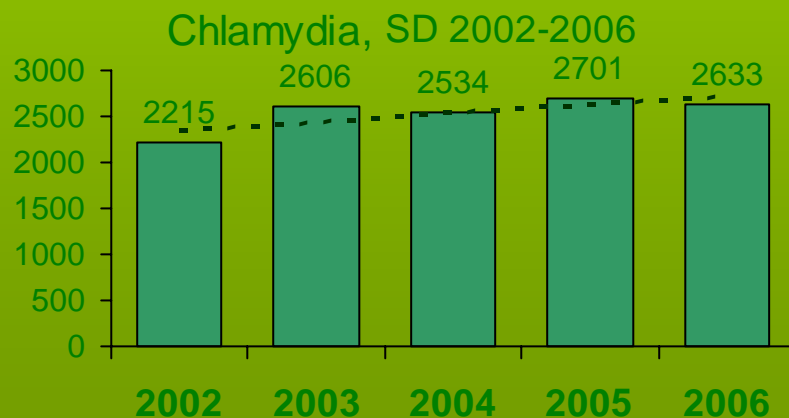
Gonorrhea fact sheet: <http://westnile.sd.gov>

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Chlamydia, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	487	327
Northeast	321	177
Southeast	645	247
West	712	374
TOTAL	2,165	277 -1%
5-year median	2,190	280



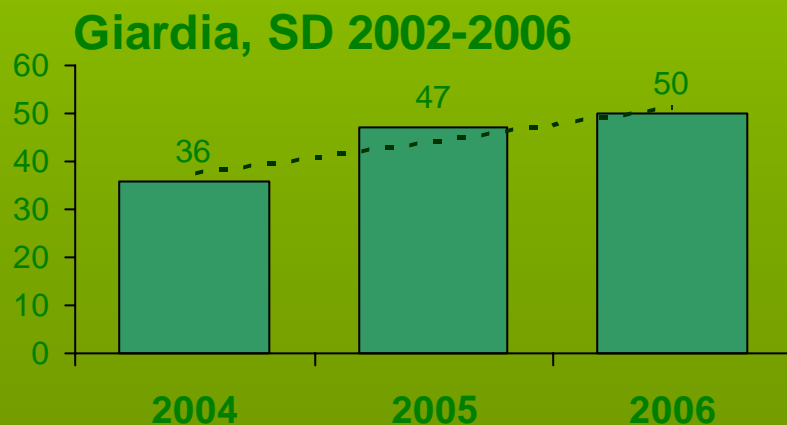
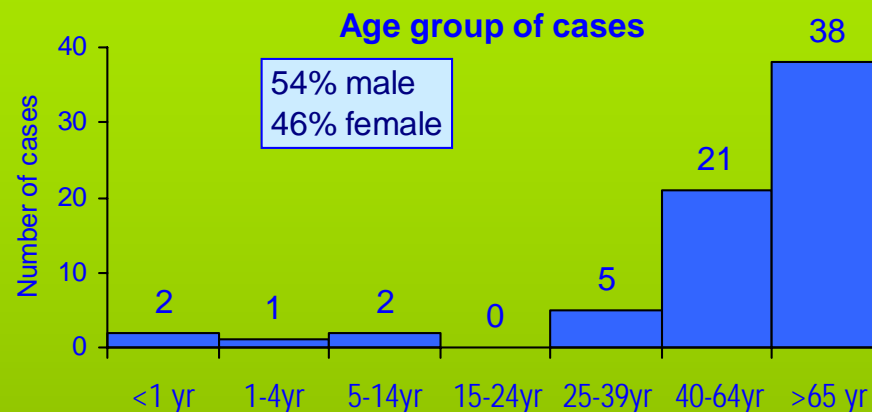
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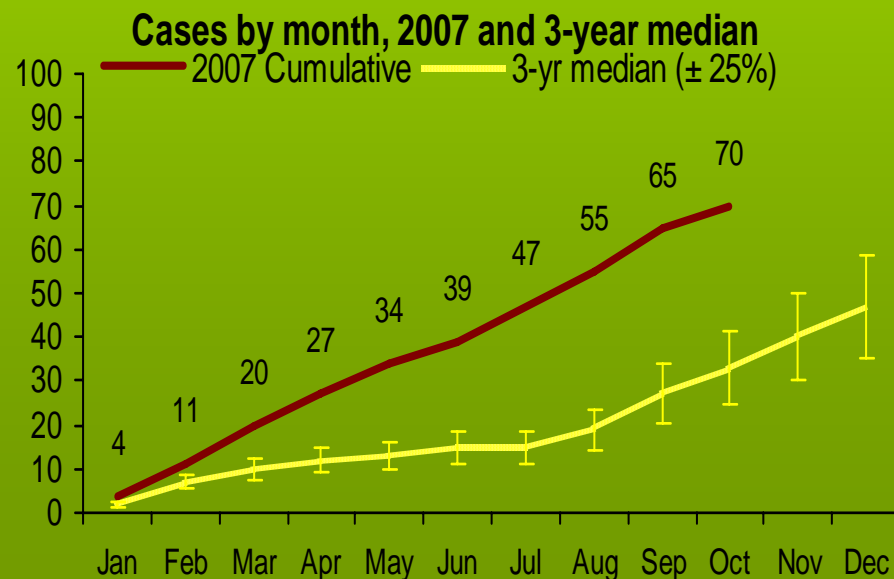
Invasive MRSA, South Dakota

(Methicillin-Resistant *Staphylococcus aureus*)

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	27	18.1
Northeast	8	4.4
Southeast	24	9.2
Western	11	5.8
TOTAL	70	8.9 +112%
3-year median	33	4.3



Giardia fact sheet: <http://doh.sd.gov/diseasefacts>

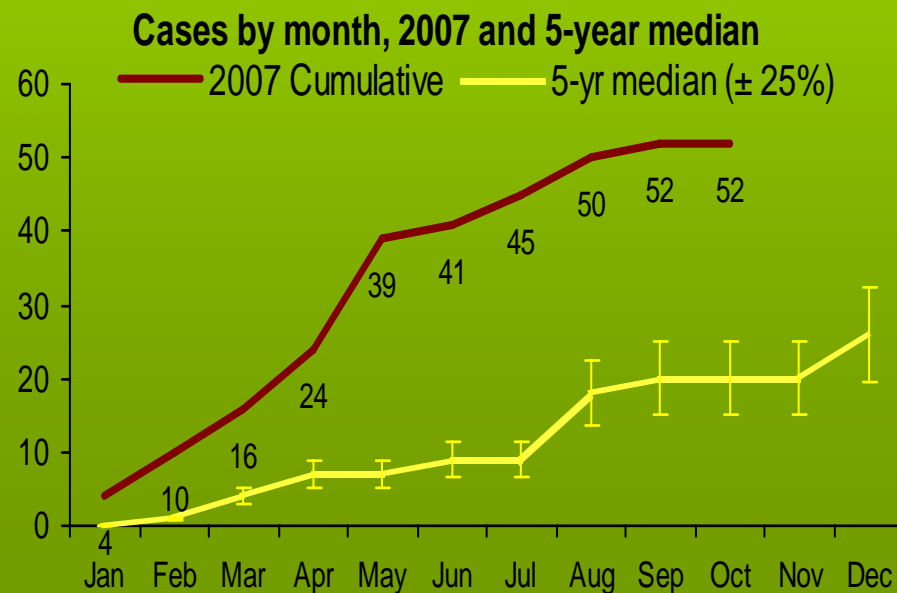
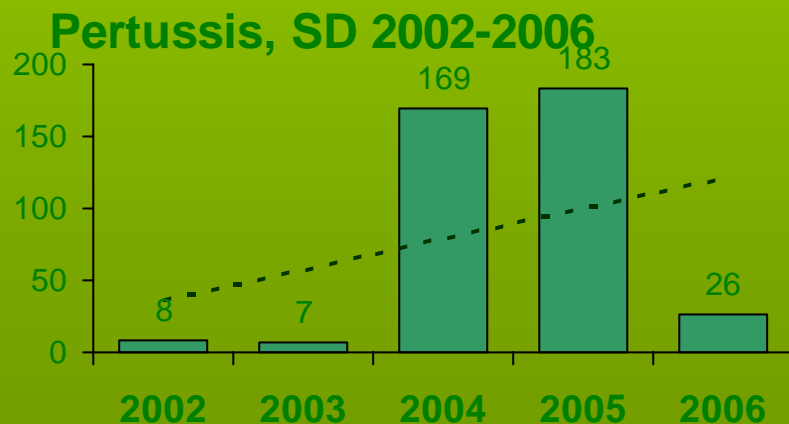
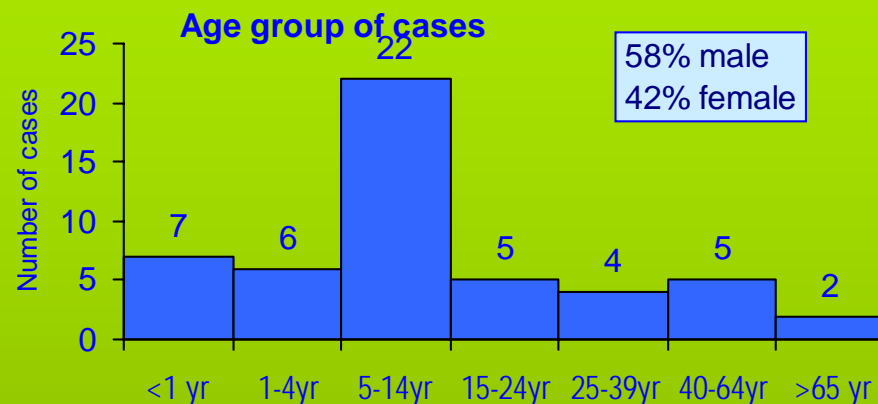


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Pertussis, South Dakota

Region	Cases (year-to-date)	Rate (cases per 100,000 population)
Central	6	4.0
Northeast	6	3.3
Southeast	37	14.2
Western	3	1.6
TOTAL	52	6.7 +160%
5-year median	20	2.6



Pertussis fact sheet:

<http://doh.sd.gov/diseasefacts>

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Rabies, South Dakota

County: Rabid animals

Beadle: skunk 1

Bon Homme: skunk 1

Brookings: skunk 1

Brown: skunk 2, cat 1, goat 1

Clark: bovine 2, skunk 1

Deuel: skunk 1

Edmunds: skunk 1

Faulk: skunk 1

Hamlin: skunk 1

Jackson: bat 1

Kingsbury: skunk 1

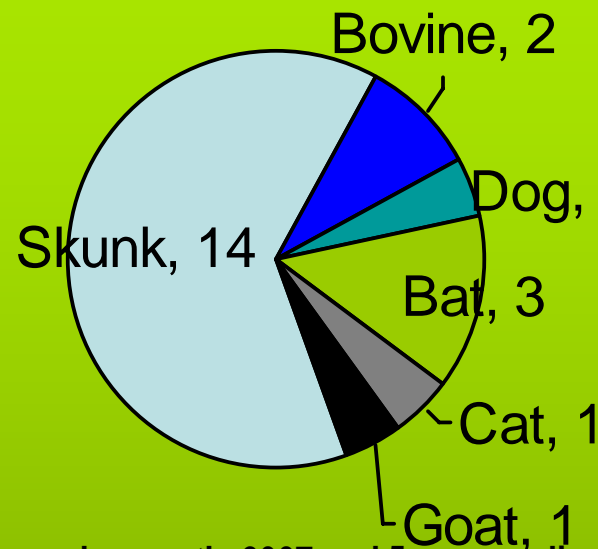
McPherson: skunk 1

Meade: skunk 1, bat 1

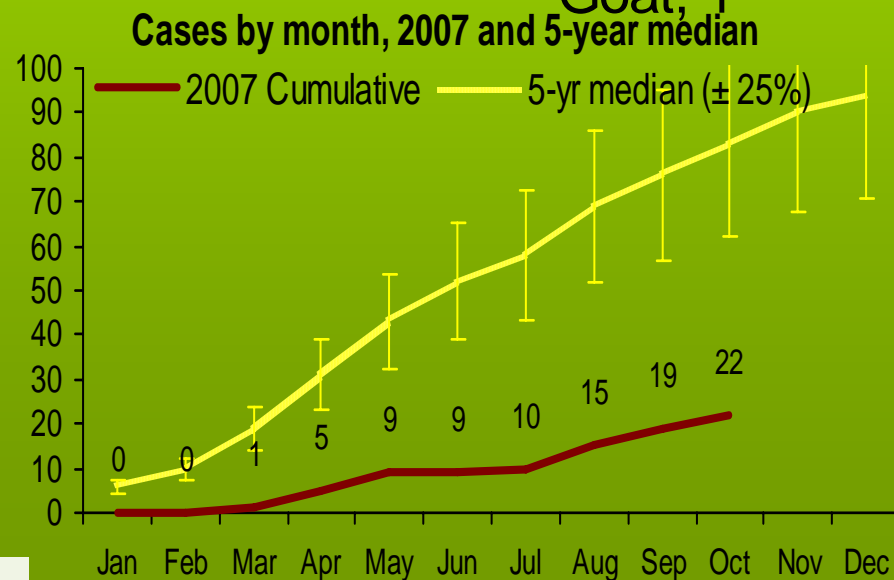
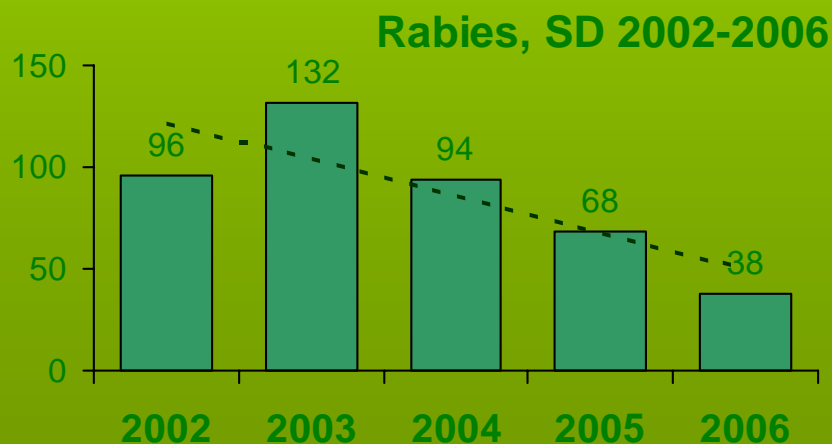
Tripp: skunk 1

Union: 1 bat

Walworth: dog 1



Rabies -77% below 5-year median



Rabies fact sheet: www.state.sd.us/doh/Pubs/rabies.htm

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Other low incidence or newly reportable diseases, South Dakota, YTD 2007

- Chicken pox, 61 cases
- Dengue fever, 3 cases (travel related cases)
- Hantavirus Pulmonary Syndrome, 1 case
- Hepatitis A, acute, 5 cases
- Hepatitis B, acute, 4 cases
- Hepatitis B, chronic, 22 cases
- Hepatitis C, chronic, 187 cases
- Legionnaires' disease, 4 cases
- Listeriosis, 2 case
- Malaria, 1 case
- Meningococcal, invasive disease, 3 cases (Group-Y 2, Group-B 1)
- Mumps, 5 cases
- Q fever, 1 case
- Rocky Mountain Spotted Fever, 4 cases
- Streptococcus, Group A, invasive, 9 cases
- Streptococcus, Group B, invasive, 15 cases
- Streptococcus pneumoniae, drug-resistant, 11 cases
- Syphilis, early, 11 cases (6 males, 5 women; in 3 counties)
- Tuberculosis, active, 11 cases
- Tularemia, 7 cases

All fact sheets: <http://doh.sd.gov/diseasefacts>

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Reportable Diseases List:

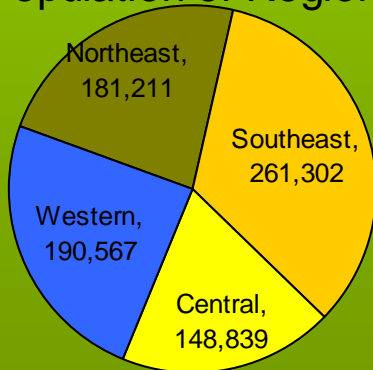
www.state.sd.us/doh/Disease/report.htm



To report infectious diseases

- Secure website: www.state.sd.us/doh/diseasereport
- Telephone: **1-800-592-1804** confidential recorder; or **1-800-592-1861** or **605-773-3737** for a disease surveillance person during normal business hours; after hours to report Category I diseases or other emergencies, call **605-280-4810**.
- Fax: **605-773-5509**
- Mail or courier, address to: Infectious Disease Surveillance, Office of Disease Prevention, Department of Health, 615 East 4th Street, Pierre, SD 57501; marked *"Confidential Disease Report"*

Population of Regions



South Dakota 2006 population est: 781,919

